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Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 23]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
- Oath or Declaration [Total Pages 1]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
name in the prior application, see 37 CFR
1.63(d)(2) and 1.33(d).
- Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

 Continuation Divisional Continuation-in-part (CIP)

of prior application No. _____ / _____

Group Art Unit: _____

Prior application Information: Examiner _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		007609 (Insert Customer No. or Attach bar code label here)		or <input type="checkbox"/> Correspondence address below	
Name		Rankin, Hill, Porter & Clark LLP			
Address		925 Euclid Avenue, Suite 700			
City		Cleveland	State	Ohio	Zip Code
Country		U.S.A.	Telephone	(216) 566-9700	Fax
Name (Print/Type)		David E. Spaw		Registration No. (Attorney/Agent) 34732	
Signature				Date July 8, 2003	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

18946 U.S. PTO
10/6/2003

07/03

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 447.00)

Completeness if Known

Application Number	N/A
Filing Date	Herewith
First Named Inventor	Thomas G. Carter
Examiner Name	N/A
Art Unit	N/A
Attorney Docket No.	ENP-14704

METHOD OF PAYMENT (check all that apply)

- Check Credit card Money Order Other None
- Deposit Account:

Deposit Account Number	18-0160
Deposit Account Name	Rankin, Hill, Porter & Clark LLP

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) during the pendency of this application

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	375
1002 330	2002 185	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 375)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims below	Fee from	Fee Paid
28	-20* = 8		x 9	72	
3	- 3** = 0		x 42	0	
				0	0

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 . 9	Claims in excess of 20
1201 84	2201 . 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 . 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		

** or number previously paid, if greater. For Reissues, see above

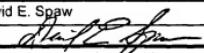
3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 . 65	Surcharge - late filing fee or oath	
1052 50	2052 . 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 . 130	Non-English specification	
1812 2,520	1812 . 2,520	Filing for a request for ex parte reexamination	
1804 920*	1804 . 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 . 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 . 55	Extension for reply within first month	
1252 410	2252 . 205	Extension for reply within second month	
1253 930	2253 . 465	Extension for reply within third month	
1254 1,450	2254 . 725	Extension for reply within fourth month	
1255 1,970	2255 . 985	Extension for reply within fifth month	
1401 320	2401 . 160	Notice of Appeal	
1402 320	2402 . 160	Filing a brief in support of an appeal	
1403 280	2403 . 140	Request for oral hearing	
1451 1,510	1451 . 1,510	Petition to institute a public use proceeding	
1452 110	2452 . 55	Petition to revive - unavoidable	
1453 1,300	2453 . 650	Petition to revive - unintentional	
1501 1,300	2501 . 650	Utility issue fee (or reissue)	
1502 470	2502 . 235	Design issue fee	
1503 630	2503 . 315	Plant issue fee	
1460 130	1460 . 130	Petitions to the Commissioner	
1807 50	1807 . 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 . 180	Submission of Information Disclosure Stmt	
8021 40	8021 . 40	Recording each patent assignment per property (times number of properties)	
2808 375	2808 . 375	Filing a submission after final rejection (37 CFR 1.128(b))	
1810 750	2810 . 375	For each additional invention to be examined (37 CFR 1.128(b))	
1801 750	2801 . 375	Request for Continued Examination (RCE)	
1802 900	1802 . 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

SUBMITTED BY		(Complete if applicable)	
Name (Print/Type)	David E. Spaw	Registration No. (Attorney/Agent)	34732 Telephone (216) 566-9700
Signature		Date	July 8, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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